



ecology and environment, inc.

International Specialists in the Environment

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January 9, 1998

Ms. Peggy Hendrixson (MC-10J)
ARCS 5 Contracting Officer
United States Environmental Protection Agency
Contracts and Procurement Section
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Work Plan Revision Request No.1 Sauget Area 1 and 2 Sites, Sauget, Illinois Contract 68-W8-0086, WA#47-5N60

Dear Ms. Hendrixson:

E & E has prepared this Revised Work Plan Revision Request Number 1 (WPRR #1), to address the need for additional funding and LOE to complete the work assignment tasks for the Sauget Area 1 and 2 Sites Technical Assistance project. The attached tables present E & E's revised budget estimate for completing the work assignment. Table 1 provides a summary of all costs to complete this work assignment including all costs-to-date (as of December 27, 1997) and the estimated costs to complete active tasks; Table 2 is a combined summary by task for all Technical Assistance costs, including both actual costs-to-date and estimated costs to complete the project; Table 3 provides the actual costs to date (through December 27, 1997) for all project tasks; Table 4 provides a breakdown of the estimated costs to complete the existing tasks for the project. In addition, detail sheets for the estimated costs presented in Table 4 are provided as attachments to the table.

The additional LOE and funding requested will be necessary to complete the project according to the task structure and level of detail provided in the statement of work. Additional LOE and funding is required due to the large volume of information that was obtained from the federal and state agencies, and the time required for sorting, labelling, and reduction of the data into both tabular and graphic formats for presentation.

As stated above, Table 3 provides a breakdown of the actual costs for tasks that have received charges through December 27, 1997. This date was also used as a cutoff point for estimating the costs necessary to complete work on tasks that are still active. A total of 1,612.00 LOE hours and \$126,863 were spent on the project through this cutoff date. As shown on Table 4, E & E estimates that 759 LOE hours and \$67,155 will be required to complete the work specified on this project. The total LOE hours estimated through project completion are 2,371, which is 310 LOE hours more than the approved budget of 2,061 LOE hours. The total revised estimated cost for the work assignment is \$194,018 which is \$27,097 more than the approved work plan budget and \$24,018 more than the project funding level. The current work assignment expenditure limits are 2,061 LOE hours and \$166,921; therefore, an additional 310 LOE hours and \$24,081 of funding will be required.

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As of December 27, 1997, E & E has completed the following work assignment tasks:

- Task 1.1: Project Planning; and
- Task 2.0: Acqusition of Existing Data

All of the other existing project tasks remain open. For all of the active project tasks, E & E has evaluated the existing budgets based on the current project objectives and direction, as well as the makeup of E & E's project team. The estimated award fees for the cost to complete active tasks are not broken down by task. These award fees are included in the "Totals" column on Table 4, and the basis for the estimated fee is explained in footnotes on the table. A discussion of active project tasks and estimated work remaining on these tasks is presented below:

- Task 1.2 Project Management: As of December 27, 1997, 78.0 LOE hours and \$6.558 have been charged against this task for project management activities. E & E estimates that 38 LOE hours and \$3,353 will be required to complete project management activities through February 1998. The estimated total of 116 LOE hours at task completion is the same as the approved work plan budget amount. The estimated total cost at completion of \$9,911 is \$578 less than the approved original budget of \$10,489.
- Task 3.0 Property Ownership Tables/Maps: As of December 27, 1997, 97 LOE hours and \$8,208 have been charged against this task for information research and production of the draft property ownership tables/maps. E & E estimates that 24 LOE hours and \$1,803 will be required to complete this task. This estimate to complete includes 16 LOE to complete an historical deed search for the Site N property and report the findings, and 8 LOE to prepare and submit the final version of the property ownership tables/maps. The estimated total of 121 LOE hours at task completion is 21 hours greater than the approved original LOE budget of 100 hours. The estimated total cost at completion of \$10,011 is \$3,077 greater than the approved original budget of \$6,934.
- Task 4.0 Technical Data Summary Tables/Maps: As of December 27, 1997, 701.00 LOE hours and \$46,765 have been charged to this task for preparation of data tables and presenting data on site maps. E & E estimates that 445 LOE hours and \$30,761 will be required to complete the data summary tables and maps. The estimated total of 1146 LOE hours at task completion is 242 hours greater than the approved original LOE budget of 904 hours. The estimated total cost at completion of \$77,526 is \$14,989 greater than the approved original budget of \$62,537.
- Task 5.0 Data Gaps Memoranda: As of December 27, 1997, no charges have been incurred under this task. E & E estimates that 92 LOE hours and \$7,351 will be required to complete this task. The estimated total of 92 LOE

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hours and \$7,351 at task completion is the same as the approved original LOE budget.

• Task 6.0 - PRP Records Compilation: As of December 27, 1997, 163 LOE hours and \$14,031 have been charged to this task assembling PRP files and a PRP database. E & E estimates that 160 LOE hours and \$13,810 will be required to prepare and submit the deliverables for this task. The estimated total of 323 LOE hours at task completion is 7 LOE greater than the approved original LOE budget of 316 hours. The estimated total cost at completion of \$27,841 is \$5,040 greater than the approved original budget of \$22,801.

If you should require additional information, or have any questions concerning this submittal, please contact me at your earliest convenience.

Sincerely,

Daniel T. Sewall

ARCS Program Manager

Attachments

cc: S. Nathan, EPA PO

L. Evison, EPA RPM

C. Carlson, E & E SM

TABLE 1

ECOLOGY AND ENVIRONMENT, INC ESTIMATED DIRECT HOURS AND COSTS

Client: USEPA ARCS REGIO	N	N	Į	h	١	١				•	ί	į	ı		ì		١	i	Ì		i	i			ì		ì							ĺ	۱	ĺ	į	1			:																	ċ																																																								ŀ												ì	ì	ì	ì	ì	ì	ì	ì		l	ı	ı	ı	l	ı	ı	ı	ı	ì	ì	ì
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	SAUGET AREA 1 & 2 SITES Work Assignment No. 47-5N60 Coal Summary			Cost to Date	Cost to Complete
Rate/Hr	Labor Category		Total		
			12.0	4.0	8.0
			1603.5	1147 5	456 0
			462 5	261 5	181 0
			280 5	166.5	114.0
			0.0	0.0	0.0
			12 5	12.5	0.0
			155 0	107 0	48 0
	LOE Hours Subiotal		2371 0	1612 0	759 0
	Total Hours		2526 0	17190	807.0
*====#				**********	
1)	Total Labor Cost		59,287	40,946	18,340
	Fringe Benefits (on Line 1)		17.786	12,284	5,502
3)	Total Labor & Fringes (Lines 1 & 2)	-	77,073	53,230	23,842
4)	Overhead (on Line 3)		49,033	33,535	15,498
	Travel:				
	Transportation Per Diern		2,043 428	1,993 428	50 0
5)	Total Travel Costs	_	2,471	2,421	50
6)	Total Other Direct Costs		5,429	3,771	1,659
7)	Outside Equip Rental/Purchase		D	0	0
8)	Subtotal (Lines 3, 4, 5 - 7)		134,005	92,957	41,048
9)	G&A (on Line 8)		44,578	30,211	14,367
10)	Subtotal (Lines 8 & 9)		178,583	123,168	55,415
11)	E&E Lab Analysis		0	0	О
	E&E Equipment Rental		o	ō	Ō
13)	Subtotal (Lines 11 & 12)		ū	Ď	0
14}	Subcontracting Costs		o	0	. 0
15)	Subcontract Administration Fee(on Line 14)		0	0	0
16)	Estimated Cost (Lines 10, 13 - 15)	-	178,583	123,168	55,415
	Base Fee (on Line 10)	3.0%	5,358	3,695	1,662
	Base Fee - Sub Pool (on Lines 14 & 15)	2.0%	0	0	0
	Award Fee	7.0%	10,077	0	10,077
20)	Award Fee - Sub Pool	3.0%		0 	0
	Cost Plus Fee (Lines 16 - 20)		\$194,018	\$126,863	\$67,155

ECOLOGY AND ENVIRONMENT, INC. ESTIMATED DIRECT HOURS AND COSTS

USEPA ARCS REGION V

SAUGET AREA 1 & 2 SITES Work Assignment No. 47-5N60 Complete Cost Summary

Task 1.1. Project Planning
Task 1.2. Project Management
Task 2.0. Acquisition of Existing Data
Task 3.0. Property Ownership Tables and Maps

Task 4.0 Technical Data Summary Tables and Maps

Task 5.0 Data Gaps Memoranda Task 6.0 PRP Records Compilation

40)	, rimana i de - dub r dui	-				 -	 -			
) Award Fee) Award Fee - Sub Pool		10,077 0	0	0	0	0	0	0	
16)	Base Fee - Sub Pool (on Lines 14 & 15)	2.0%	0	0	0	0	0	0	0	51
•	Estimated Cost (Lines 10, 13 - 15) Base Fee (on Line 10)	3.0%	178,583 5 358	11,342 340	9,623 289	38,464 1,154	9.720 292	75.268. 2,258	7. 137. 214	32, 93 <u>0</u> 81
15)	Subcontract Administration Fee(on Line 14)		0	0	0	0	0	0	0	
14)	Subcontracting Costs		a	0	0	a	. 0	0	0	
13)	Subtotal (Lines 11 & 12)		0	0	0	0	0	0	0	
	E&E Equipment Rental		ō	ō	ő	ŏ	ō	ŏ	0	
	E&E Lab Analysis		٥	0	0	0	0	0	0	
10)			178,583	11 342	9,623	38 464	9,720	75,268	7.137	27.03
	G&A (on Line 8)		44,578	2.782	2,406	9,434	2,408	18.879	1.850	6.81
8)			134,005	8,560	7,217	29,029	7,311	56,389	5,287	20,21
71	Outside Equip Rental/Purchase		0	0	0	0	0	o	0	
6}	Total Other Direct Costs		5,429	343	119	1,259	415	2.329	64	90
5)	Total Travel Costs	-	2,471	261	0	2,160	50		0	
	Travel: Transportation Per Diem		2.043 428	253 8	0	1,740 420	50 0	0	0	
4)	Overhead (on Line 3)		49,033	3,075	2,761	9,898	2,655	21,052	2.057	7.53
3)	Total Labor & Fringes (Lines 1 & 2)		77,073	4.881	4,337	15,712	4,191	33,008	3,165	11,77
	Total Labor Cost Fringe Benefits (on Line 1)		\$59,287 17,786	\$3,755 1.126	\$3,337 1,001	\$12,086 3,626	\$3,224 967	\$25 391 7.617	\$2.435 730	\$9.06 2.71
	Total Hours		2526 00	143 75	124 50	497 50	133 25 ==========	1204 00	100 00	323 0
	LOE Hours Subtotal		2371 00	135 00	116 00	438 00	121 00	1146 00	92 00	323 0
 -			155 00	8 75	8 50	59 50	12 25	58 OG	8 00	0.0
			0 00 12 50	0 00 0 00	0 00 2 00	0 00	0 00 0 00	0 00 10 50	0 00 0 00	0.0
			280 50	0 00	0 00	9 50	0 00	247 00	24 00	0.0
			462 50	15 00	0 00	26 50	8 00	409 00	0 00	4.0
			12 00 1603 50	4 00 116 00	0 00 114.00	0 00 402 00	0.00 113.00	0.00 479 50	8 00 60 00	0 0 319 0
	Labor Category									

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ECOLOGY AND ENVIRONMENT, INC ESTIMATED DIRECT HOURS AND COSTS

Client USEPA ARCS REGION V

The SAUGET AREA 1 & 2 SITES
Work Assignment No. 47-5N60
Cost to Date as of 12/27/97

INDLE

Task 5.0. Data Gaps Memoranda
Task 6.0 PRP Records Compilation

Task 1.1 Project Planning
Task 1.2 Project Management
Task 2.0 Acquisition of Existing Data
Task 3.0 Property Ownership Tables a

Task 3.0. Property Ownership Tables and Maps
Task 4.0. Technical Data Summary Tables, and Maps.

211	Total Cost Plus Fee (Lines 16 - 20)		\$126,863	\$11,683	\$6,559	\$39,618	\$8,208	\$46,765	\$0	\$14,031
	Award Fee (on Line 10) Award Fee - Sub Pool (on Lines 14 & 15)	7.0% 3.0%	0	0	0	0	0	0	0	0
18)	Base Fee - Sub Pool (on Lines 14 & 15)	2.0%	0	a	Q	Ò	Q	Q	ā	0
17)	Base Fee (on Line 10)	3.0%	3,695	340	191	1,154	239	1,362	0	409
16}	Estimated Cost (Lines 10, 13 - 15)		123,168	11,342	6,367	38,464	7,969	45,403	0	13,622
	Subcontracting Costs Subcontract Administration Fee(on Line 14)		0	0	o a	0	0 0	0	0	0
13)	Subtotal (Lines 11 & 12)		0	0	D	0	0	O	0	C
	E&E Equipment Rental		0	Ď	0	0	0	ŏ	0	
11)	E&E Lab Analysis		0	0	0	0	0	0	0	(
10)	Subtotal (Lines 8 & 9)		123,168	11,342	6.367	38,464	7 969	45,403		13.62
,	G&A (on Line 8)		30,211	2,782	1,562	9,434	1,955	11,137	0	3,34
8)	Subtotal (Lines 3, 4, 5 - 7)		92,957	8,560	4.806	29,029	6.014	34,266		10,28
·	Outside Equip Rental/Purchase		0	0	0	0	0	0	0	(
·	Total Other Direct Costs		3 771	343	39	1 259	410	1,419	0	301
5)	Total Travel Costs		2,421	261	0	2 160	0			
	Travel: Transportation Per Diem		1,993 428	253 8	0	1,740 420	0	0	0	(
4)	Overhead (on Line 3)		33 535	3,075	1,842	9,898	2,166	12,696	0	3,85
3)	Total Labor & Fringes (Lines 1 & 2)		53,230	4.881	2,924	15,712	3,439	20,152	0	6,12
	Total Labor Cost Fringe Benefits (on Line 1)		\$40,946 12,284	\$3.755 1.126	\$2,249 675	\$12,086 3,626	\$2,645 794	\$15,501 4,650	\$0 0	\$4,716 1,413
	Total Hours		1719 00	143 75	82 50	497 50	109 25	723 00	0 00	163 0
	LOE Hours Subtotal		1612 00	135 00	78 00	438 00	97 00	701 00	0 00	163 0
			107 00	8 75	4 50	59 50	12 25	22 00	0 00	0 0
			0 00 12 50	0 00 0 00	0 00 2 00	0 00 0 00	0 00 0 00	0 00 10 50	0 00	0.0
			166 50	0 00	0.00	9 50	0 00	157 00	0 00	0.0
			1147 50 281 50	116 00 15 00	76.00 0.00	402.00 26.50	97 00 0 00	297 50 236 00	0 00 00 0	159 00 4 00
			4 00	4 00	0.00	0.00	0 00	0 00	0 00	0 00
e/Hr	Labor Category		Totals	11	1 2	20	3.0	40	5 0	6 (

TABLE 4

ECOLOGY AND ENVIRONMENT, INC. ESTIMATED DIRECT HOURS AND COSTS

Client: USEPA ARCS REGION V

SAUGET AREA 1 & 2 SITES Work Assignment No. 47-5N60 Cost to Complete as of 12/28/97

Task 1.1 Project Planning
Task 1.2 Project Management
Task 2.0 Acquisition of Existing Data
Task 3.0 Property Ownership Tables and Maps
Task 4.0 Technical Data Summary Tables and Maps

Task 5.0 Data Gaps Memoranda Task 6.0 PRP Records Compilation

	Plus Fee (Lines 16 - 20)	-	\$67,155	\$0	\$3,353	\$0	\$1,803	\$30,761	\$7,351	\$13,8
20) Award Fed	- Sub Pool		0	0	0	0	0	0	0	
19) Award Fed		=:- **	10,077	ŏ	Õ	ŏ	Ō	ŏ	ŏ	
17) Base Fee 18) Base Fee	(on Line 10) - Sub Pool (on Lines 14 & 15)	2.0%	1,002	0	90 0	0	0	090	214	44
-		3.0%	1,662	0	98	0	53	896	214	4
16) Estimated	Cost (Lines 10, 13 - 15)		55,415	0	3,255	0	1,750	29,865	7,137	13,4
	ct Administration Fee(on Line 14)	1 5%	ō	ō	ŏ	ō	ŏ	ŏ	ō	
14) Subcontra	cting Costs		o	0	0	o	0	0	o	
13) Subtotal	(Lines 11 & 12)	-	0	0	0	0	0	0	0	
12) E&E Equip			ō	ō	ō	ŏ	ő	ŏ	ŏ	
11) E&E Lab A	Analysis		0	0	0	0	0	0	0	
10) Subtotal	(Lines 8 & 9)	•	55,415	0	3,255	0	1,750	29,865	7,137	13.
9) G&A (on L	ine 8)	35 0%	14,367	0	844	0	454	7,743	1,850	3,
8) Subtotal	(Lines 3, 4, 5 - 7)	-	41,048	0	2,411	0	1,297	22,122	5,287	9,
7) Outside E	quip Rental/Purchase		0	0	0	0	0	0	0	
6) Total Othe	r Direct Costs		1,659	0	80	0	5	910	64	
5) Total Trav	ei Costs		50	0	0	0	50	o ¦	0	
Per Dia	m	_	0	0	0	0	0	0	0	
Transp			50	0	0	0	50	0	0	
Travel										
4) Overhead	(on Line 3)	65.0%	15,498	٥	919	Đ	489	8,356	2,057	3,
3) Total Labo	or & Fringes (Lines 1 & 2)	-	23,842	0	1,413	0	752	12,856	3,165	5,
2) Fringe Ber	nefits (on Line 1)	30 0%	5,502	0	326	0	174	2,967	730	1,
1) Total Labo	r Cost		\$18,340	\$0	\$1,087	\$0	\$579	\$9,889	\$2,435	\$4,
	*****************	* = = = = = = =	SEERERE 12		********	*******				*****
Total Hou	** ************************************		807.00	0.00	42 00	0 00	24.00	481 00	100 00	160
LOE Hours	Subtotal		759 00	0.00	38 00	0 00	24 00	445 00	92 00	160
			48.00	0.00	0.00 4.00	0 00	0.00 0.00	0 00 36 00	0 00 8 00	0
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
			114 00	0 00	0 00	0 00	0.00	90.00	24 00	
			181 00	0.00	0.00	0.00	8.00	173.00	0.00	
			8 00 456 00	0.00	0.00 38.00	0.00 0.00	0.00 16.00	0.00 182.00	8.00 60.00	160

^{*} Estimated award fee to complete based on 2,371 LOE at project completion x \$4.25/LOE hour. No award fee has been invoiced through the cutoff date of 12/27/97.



Task 1.2: Project Management

ABOR HOUR	DETAIL Travel -	Field					In-House		
Classification	Prep. Hours	People	Days	H/Day	M-Day	Hours	Hours	Pubs	Total
					0	0			(
					0	0	38		36
7					0	0			ò
					0	0			(
					U	0	4		(
TOTAL HOUR	0				0	0	42	0 =	42
OTHER DIREC	T COST DE	TAH				Unit	No. of Units	Unit	Tatal
OTHER DIREC							Units	Cost	Total
Protective Cl						Days			C
Protective Cl Miscellaneou						Days		-	(
TOTAL SUPPL	.IES								(
Shipment of		i				lbs.			(
Shipment of Postage/Other	•					lbs.			(
TOTAL MAIL/C	OURIER								C
Desktop Usage Data Visualizat		(CAD, GIS	S, model	ling}		Hour Hour	4	5.5 15.5	22
Notebook Com						_			
Day Month						Days Months		16 480	C
TOTAL COMP	UTER USAG	iΕ							22
COMMUNICAT	TIONS COST	rs:							45
REPRODUCT	ON COSTS					Page	250	0.05	12.5
BLUE PRINTS	: -					Page		1.75	
TOTAL OTHER	R DIRECT C	OSTS						=	79.5
SUBCONTRAC	CTOR DETA	IL							Total
Subcontracto	or A								·
Subcontracto									

TRAVEL DETAIL		Unit	No. of Units	Unit Cost	Total
TRANSPORTATION: Airfare:		RT	,		
Auto Rental Truck Rental Local Mileage Parking Gasoline		Day Day Mile Day		0.3 5	1
TOTAL TRANSPORT	ATION COST				
PER DIEM Per Diem		Day	**********		
Lodging		Day			ı
	-	IASE DET	'AIL	:	
OUTSIDE EQUIP RE	-	ASE DET No. of Periods	AIL No. of Units	Unit Cost	Total
OUTSIDE EQUIP REI	Period	No. of Periods	No. of Units	Unit Cost	Total
OUTSIDE EQUIP REI	Period Period UIP RENTAL	No. of Periods	No. of Units	Unit Cost	Total
TOTAL PER DIEM CO	Period Period UIP RENTAL	No. of Periods /PURCHA	No. of Units SE COST	Unit Cost	Total
OUTSIDE EQUIP REI	Period UIP RENTAL ENTAL DETA Period	No. of Periods /PURCHA	No. of Units SE COST	Unit Cost	Total

Task 2.0: Acquisition of Existing Data

Classification	Prep. Hour	People			M-Day		In-House Hours	Pubs	Total	TRAVEL DETAIL	Unit	No. o Units
				··-						***************************************		
					g	0			0			
					0	0			0	· 110.010.	RT	
					0	0			0		_	
					0	0			0	Auto Rental	Day	
					0	0			0		Day	
مقت					0	0			0	Local Mileage	Mile	
									0	Parking - Gasoline	Day	
OTAL HOURS	0				O	0	0	0	0			
								•	*******	TOTAL TRANSPORTATION C		
							No of	Unit		PER DIEM		
THER DIREC	T COST DET	AIL				Unit	Units	Cost	Total	Per Diem	Day	
Protective Ck	othing [Level [)i				Days	**************	***********	0	Lodging	Day	
	othing (Level (Days			ŏ		,	
	Field/Other					,			0			
OTAL SUPPL	IES							-	0	***************************************		
- 						lbs				TOTAL PER DIEM COSTS		
Shipment of L Shipment of E						lbs			0		BOUACE DET	A 14
онриши от с Postage/Othe						103			0		No. of	No o
-								-		tem Description Peri		Units
OTAL MAIL/C	OURIER								0	***************************************		
esktop Usage						Hour		5.5	0			
BON VISUARZBU	on/Modeling (CAD, GIS,	, modelin	9)		Hour		15.5	0	}		
otebook Com	outers									TOTAL OUTSIDE EQUIP REN'	TAL/PURCHAS	SE COS
Day						Days		16	0			
Month	\$					Months		480	0	E&E EQUIPMENT RENTAL DE Item Description Peri		No. d Units
OTAL COMPL	ITER USAGE	!						•	0	***************************************	***************************************	
OMMUNICAT	IONS COSTS	Phone, F	AX						0			
EPRODUÇTK	ON COSTS					Page		0.05	0			
LUE PRINTS:	5 Sets X 10 l	Pages X 42	2			Page		1.75	0			
OTAL OTHER	DIRECT CO	STS							0	•		
UBCONTRAC	TOR DETAIL							_	Total	TOTAL E&E EQUIPMENT COS	 :Te	•
	•						·	**********		•		
Subcontractor Subcontractor										E&E ANALYTICAL SERVICES	DETAIL	
Subcontractor												
Subcontractor												

Unit Cost

0.28

Unit Cost

Unit

Cost

Total

0

0

0

Total

========

Total

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Task 3.0: Property Ownership Tables and Maps

LABOR HOUR	R DETAIL Travel -	Field					In-House					No. of	Unit	
Classification		People	Days	H/Day	M-Day	Hours	Hours	Pubs	Total	TRAVEL DETAIL	Unit	Units	Cost	Total
					0	0			0	TRANSPORTATION			* 	
		1	1	8	0	0 8	16		16 8	Airfare:	RT			
				_	0	0			Ŏ	Auto Rental	Day	1	40	
					0	0			0	Truck Rental	Day			(
					U	U			0	Local Mileage Parking	Mile Day		0 28	(
										Gasoline	,			10
TOTAL HOUR	s 0				1	8	16	0	24	TOTAL TRANSPORTATION C	OSTS	•	······································	56
							No of	Unit		PER DIEM				
OTHER DIREC	CT COST DE	TAIL				Unit	Units	Cost	Total	Per Diem	Day			
	lothing (Level					Days		*************	0	Lodging	Day			(
	lothing (Level us Field/Other					Days			0					
		00pp00												
TOTAL SUPPI	LIES								0	TOTAL PER DIEM COSTS	·····			
	Lab Samples					lbs			0					
Shipment of Postage/Oth						ibs.			0 0	OUTSIDE ÉQUIP RENTAL/PU	RCHASE DE' No. of	TAIL No. of	Unit	
										Item Description Perio			Cost	Total
TOTAL MAIL	COURIER								0	************************************				
Desktop Usage						Hour		5.5						Ċ
Data Visualizat	tion/Modeling	(CAD, GIS	, modelii	ng)		Hour		15.5	0					(
										1				i
Notebook Com	nputers									TOTAL OUTSIDE EQUIP REN	TALIPURCHA	SE COST		
Day						Days		16	_					=======
Month	18					Months		480	0	E&E EQUIPMENT RENTAL DE Item Description Perio		No. of Units	Unit Cost	Total
TOTAL COMP	UTER USAG	E							0	***************************************	····			
	TIONIC COCT													Č
COMMUNICAT REPRODUCTI		5				Page	100	0.05	0 5					(
BLUE PRINTS						Page			ō					Ò
TOTAL OTHER	DIDECT CO								5					(
TOTAL OTHER	N DINECT CO	5515							2222222					Č
SUBCONTRAC	CTOR DETAI	L							Total	TOTAL E&E EQUIPMENT COS	TS	• ••••••		
Subcontracto		**************					**************		************	E&E ANALYTICAL SERVICES	DETAIL			******
Subcontracto Subcontracto											**** **********			************
Subcontracto														
TOTAL SUBC	ONTRACTOR	COSTS		•					0	TOTAL E&E ANALYTICAL SER		. ,		
									######################################		-			



Task 4.0: Technical Data Summary Tables and Maps

LABOR HOUR	DETAIL Travel	Field						In-House						No. of	Unit	
Classification	Prep Hours	People	Da	rys I	H/Day	M-Day		Hours	Pubs	Total	TRAVEL DETAIL		Unit	Units	Cost	Total
						0	0			0	TRANSPORTATION					
						0		182		182	Airfare:		RT			(
						0	0	173 90		173 9 0	Auto Dontal		0			
						0	0	90		90	Auto Rental Truck Rental		Day			(
						0	0	0		0	Local Mileage		Day Mile		0 28	-
						J	·	36		36	Parking		Day		0 20	0
							******				Gasoline		50,			ō
TOTAL HOURS	s o					0	0	481	0	481	TOTAL TRANSPORTATI	ON COST	S	••		
								No of	Unit		000 DUTA		*******			
OTHER DIREC	T COST DE	TAIL					Unit	NO OI Units	Cost	Total	PER DIEM Per Diem		Day			0
											. c. b.c.		20,			
Protective Clo							Days			0	Lodging		Day			0
Protective Clo Miscellaneous							Days			0						
		очррноз														
OTAL SUPPL	IES									0	**************************************			••••••		
Shipment of L	ah Campine						lbs.			0	TOTAL PER DIEM COST	S				0
Shipment of E							lbs.			0	OUTSIDE EQUIP RENTA	LIBHECH	ACE DETA			
Postage/Othe							103.			Ö	OU I SIDE EQUIP RENTA	NUPURUN	No. of	No. of	Unit	
•											Item Description	Period	Periods	Units	Cost	Total
OTAL MAILIC	OURIER									0	*****************************	· · · · · · · · · · · · · · · · · · ·			************	
esktop Usage	t						Hour	120	5.5	660						0
ata Visualizati	ion/Modeling	(CAD, G	IS, mod	deling)		Hour		15.5	0						ō
											ŧ					0
																0
lotebook Comp											TOTAL OUTSIDE EQUIP	RENTAL	PURCHAS	E COST		0
Days							Days		16	0						######################################
Months	\$						Months		480	0	E&E EQUIPMENT RENT. Item Description	AL DETAI Period		No. of Units	Unit Cost	Total
OTAL COMO	ITED HEAD	_									*************************		**********			••••••
OTAL COMPL	JIER USAG	E								660						0
OMMUNICAT	IONS COST	s								0						0
EPRODUCTIO							Page	5000	0.05	250						a
LUE PRINTS							Page		1.75	0						Ō
			•		• • • • • • • • • • • • • • • • • • • •											ō
TOTAL OTHER	DIRECTIC	OSTS								910						0
																0
SUBCONTRAC	TOR DETAI	L								Total	TOTAL E&E EQUIPMEN	COSTS	*************	************		0
Subcontractor	r A							********		************	E&E ANALYTICAL SERV	ICES DET	AIL			
Subcontractor	r B										***************************************	· · · · · · · · · · · · · · · · · · ·	· · -			**********
Subcontractor																
Subcontractor	r D															

OTAL SUBCO	NTRACTOR	COSTS								0	TOTAL ESE ANALYTICA	L SERVIC	ES			0

Task 5.0: Data Gaps Memoranda

LABOR HOUR	R DETAIL Travel	Field					In-House					No of	Unit	
Classification	Prep Hours	People	Days	H/Day	M-Day	Hours	Hours	Pubs	Total	TRAVEL DETAIL	Unit	Units	Cost	Total
A					0	0	8		8	TRANSPORTATION				
					0	_	48	12	60	Airfare:	RT			0
					0		24		0 24	Auto Rental	Dav			0
45					0	-			-0	Truck Rental	Day			0
-					ō	_			ŏ	Local Mileage	Mile		0.28	Ô
_					_	_		8	8	Parking	Day			à
										Gasoline	•			0
TOTAL HOUR	is o				0	0	80	20	100	TOTAL TRANSPORTATION COS				0
							No of	Unit		PER DIEM	***************************************		•••••	
OTHER DIRE	CT COST DE	TAIL				Unit	Units	Cost	Total	Per Diem	Day			0
Protective C	lothing [Level	DI	··			Days			0	Lodging	Day			0
Protective C	lothing Level	cj				Days			0	• •	•			
Miscellaneou	us Field/Othe	r Supplies							0					
TOTAL SUPP	LIES								0	***************************************	*************		·-· •	
						18				TOTAL PER DIEM COSTS				0
Shipment of Shipment of	Lab Samples	•				ibs. Ibs.			0	OUTSIDE EQUIP RENTAL/PURC	AACE DET	A.U		11122111
Postage/Oth						WS.			10	COTSIDE EQUIP RENTAL/PORC	No. of	No. of	Unit	
r usagarua i								-		Item Description Period		Units	Cost	Total
TOTAL MAIL	COURIER								10	***************************************	***********			n
Desktop Usag						Hour	8	5.5	44					ő
Data Visualiza	tion/Modeling	(CAD, GI	S, modeli	ng)		Hour		15.5	0					0
										į				0
Notebook Con	nouters									TOTAL OUTSIDE EQUIP RENTAL	IOI IDCUA	E COST		
Day						Days		16	0	TOTAL GOTSIDE EQUIF RENTAL	FUNCTIA	SE COST		
Month						Months		480	Ö	E&E EQUIPMENT RENTAL DETA	No of	No of	Unit	
									-	Item Description Period		Units	Cost	Total
TOTAL COMP	UTER USAG	E						-	44			***************************************		0
			5.4 4						_					Ō
COMMUNICA		S. Phone,	FAX			0	000		0					0
REPRODUCT BLUE PRINTS						Page	200	0.05	10 0					0
BLUE PRINTS	•					Page			U					0
TOTAL OTHE	R DIRECT C	OSTS							64					ນ ກ
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							=	=======					ō
SUBCONTRA	CTOR DETA	IL							Total	TOTAL E&E EQUIPMENT COSTS	************	***************************************		0
Subcontracto			1-1///				,		************	ESE ANALYTICAL SERVICES DE	TAIL			=======
Subcontracto												***************************************		
Subcontracto Subcontracto														
TOTAL SUBC	ONTRACTOR	R COSTS							0	TOTAL ESE ANALYTICAL SERVI			·····	0
								•	*======					

Task 6.0: PRP Records Compilation

LABOR HOUR		Field	*				In-House					No. of	Unit	
Classification	Prep. Hour	People	Days	H/Day	M-Day	Hours	Hours	Pubs	Total	TRAVEL DETAIL	Unit	Units	Cost	Total
					0	0			0	TRANSPORTATION.				
					0	0	160		160 0	Airfare:	RT			•
					ō	ō			ŏ	Auto Rental	Day			
					0	0			0	Truck Rental	Day			(
					0	0			0	Local Mileage Parking	Mile Day		0 3	
										Gasoline	Uay			ì
TOTAL HOURS	S 0				0	0	160	(160	TOTAL TRANSPORTATION COS	TS	***************************************		
							No of	Unit		PER DIEM				
OTHER DIREC	CT COST DE	TAIL				Unit	Units	Cost	Total	Per Diem	Day			(
Protective Ck						Days			0	Lodging	Day			(
Protective Ck Miscellaneou						Days			0					
		Joppins												
TOTAL SUPPL	IES								0	TOTAL PER DIEM COSTS	• ••••••			
Shipment of L						lbs			0					======
Shipment of a						ibs.			0	OUTSIDE EQUIP RENTAL/PURC				
Postage/Othe	¥									Item Description Period	No. of Periods	No. of Units	Unit Cost	Total
TOTAL MAIL/C	OURIER								0				·····	
Desktop Usage						Hour	100	5.5						Č
Data Visualizati	ion/Modeling	(CAD, GIS	, modelin	ig)		Hour		15.5	5 0					(
														ò
Notebook Comp										TOTAL OUTSIDE EQUIP RENTA	L/PURCHA	SE COST	************	(
Day						Days Months		16 480		CAC COLUMNATA DENTAL DET				======
Month	5					Months		450	, ,	E&E EQUIPMENT RENTAL DETA Item Description Period	No. of Periods	No. of Units	Unit Cost	Total
TOTAL COMPL	UTER USAGI	Ē							550					
			- 4 14											(
COMMUNICAT REPRODUCTION		S Phone, I	-AX			Page	1000	0.05	0 5 50					(
BLUE PRINTS	011 00015					Page	1000	1 75						
			•	••••					************					C
TOTAL OTHER	RDIRECTICO	1515							600					(
SUBCONTRAC	TOR DETAIL	_							Total	TOTAL E&E EQUIPMENT COSTS	· S	************		
Subcontractor					****					E&E ANALYTICAL SERVICES DE	TAIL			
Subcontractor														
Subcontractor Subcontractor														
					******	•••••		··						
TOTAL SUBCO	MIRACIOR	COSIS							0	TOTAL E&E ANALYTICAL SERVI	CES			

Task 1 1. Project Planning

LABOR HOUR DETAIL		Field					- In-House							No of	Unit	
Classification	Prep Hours	People	Days		M-Day		Hours	Pubs	Total	TRAVE	L DETAIL		Unit	Units	Cost	Total
<u> </u>	*************				0	0	************		(TRANS	PORTATION					
					0	0			(irfare		RT			(
•					0	0			(uto Rental		Dev			1
					0	0			(ruck Rental		Day Day			
F					0	٥					ocal Mileage		Mile		0 28	•
					•	_			Ò		arking		Day		3.0	à
	******		<i></i>							G	iasoline		,			č
OTAL HOURS	0				0	0	0	0	() 		TRANSPORTA		s			
							No of	Unit		PER DI						
THER DIRECT	COST DE	TAIL.				Unit	Units	Cost	Total		er Diem		Day			(
									***************************************				•			
Protective Clothing [Level D] Protective Clothing [Level C]					Days Days			(odging		Day			C	
Miscellaneous						Days										
OTAL SUPPLI	E\$								C		PER DIEM COS			······		C
Shipment of La	ab Samples					lbs.			(T EN DIEM COC	313				=======
Shipment of E						lbs			Ċ	OUTSID	DE EQUIP REN	TAL/PURCH	ASE DETA	NL.		
Postage/Other									(No of	No. of	Unit	
OTAL MAIL/CO	MIDIED										scription	Period	Periods	Units	Cost	Total
OTAL MAIDCO	JURIER								•		*****************					C
esktop Usage						Hour		5.5								ā
ata Visualizatio	on/Modeling	(CAD, GIS	i, modeli	ng)		Hour		15.5	C							0
											!					Ö
otebook Comp	uters									TOTAL	OUTSIDE EQU	IP RENTAL	PURCHAS	E COST		0
Days					Days		16	_							=======	
Months						Months		480	(DUIPMENT REN scription	ITAL DETAI Period		No of Units	Unit Cost	Total
OTAL COMPU	TER USAGI	Ē										• • • • • • • • • • • • • • • • • • • •			·	0
																0
OMMUNICATION		5				0			Ç							0
IEPRODUCTIO ILUE PRINTS	NCOSTS					Page Page		0 05	0							0
	************					-										0
OTAL OTHER	DIRECT CO	STS							C							0
									=======		•••••					0
SUBCONTRACTOR DETAIL								Total	Total TOTAL E&E EQUIPMENT COSTS					0		
Subcontractor										E&E AN	IALYTICAL SER	RVICES DET	AIL			
Subcontractor											***********	• • • • • • • • • • • • • • • • • • • •	•••••	••••••		
Subcontractor																
Subcontractor	D															
						*******					***************************************					***********
TOTAL SUBCONTRACTOR COSTS								######################################		E&E ANALYTIC	AL SERVIC	ES			0	